ABSTRACT

5   The present invention provides a method and system for
automatically identifying a fiber type in an optically
amplified optical fiber span. Optical spectrum analyzers
are employed in order to measure profiles of one or more
amplifiers connected to the fiber span. These profiles

10   are then manipulated in order to obtain a score for the
fiber span. This score is then compared to known scores
for various fiber types in order to make a determination
of the fiber type in the span. The profiles being
measured can be either of a span loss profile or a Raman

15   gain profile. In the case of a Raman gain profile, a
Raman pump laser is employed in the measurements.
According to the present invention, it is possible to
identify whether a hybrid splice exists within a
particular fiber span. The present invention also

20   permits an auto mapping of networks.